

MR1957-868
Serial Number: 10/813,089
Reply to Office Action dated 30 June 2005

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently amended) A portable image viewing apparatus supportable by a user's hand to view at least one digitized medical image, the portable image viewing apparatus comprising:

a casing defining a receiving space therein, the casing having an upper portion with an undulating contour to define finger receiving positions and having a plurality of buttons provided thereon at the finger receiving positions for operation and support of the apparatus by one hand of a user, at least one viewing window being provided on the casing;

at least one micro display arranged in the receiving space and aligned with the viewing window, the micro display including (a) a light source, (b) a lens through which light emitted from the light source passes, (c) a reflecting mirror for reflecting the emitted light passing through the lens, (d) a LCOS chip for producing the at least one digitized medical image using the light from the reflecting mirror, and (e) a convex lens through which the at least one digitized medical image from the LCOS chip passes to be viewed by a user; and

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at least one circuit board arranged in the receiving space and electrically connected to the plurality of buttons and the micro display for driving the micro display to display the at least one digitized medical image; and, [[.]]

a memory unit coupled to the at least one circuit board for storing digitized medical image data.

Claim 2 (Cancelled).

Claim 3 (Original) The portable image viewing apparatus as in claim 1, further comprising a transparent glass inside the viewing window.

Claim 4 (Original) The portable image viewing apparatus as in claim 3, wherein the transparent glass is a lens.

Claim 5 (Currently amended) The portable image viewing apparatus as in claim 1, further comprising an adjusting part placed outside the viewing window to adjust a focal length of the viewing window for observing the micro display, the buttons being set at position to be contacted by a user's fingers for functions including next page and fast viewing.

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Claim 6 (Original) The portable image viewing apparatus as in claim 1, wherein the micro display is an LCD.

Claim 7 (Original) The portable image viewing apparatus as in claim 1, wherein the micro display is an LCOS.

Claim 8 (Cancelled).

Claim 9 (Original) The portable image viewing apparatus as in claim 1, further comprising a card reader electrically connected to the circuit board, the portable image viewing apparatus accessing a memory card through the card reader.

Claim 10 (Original) The portable image viewing apparatus as in claim 1, further comprising a computer connecting port on the casing, the computer connecting port being connected to a computer through a connection wire.

Claim 11 (Original) The portable image viewing apparatus as in claim 10, wherein the computer connecting port is a USB port.

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Claim 12 (Original) The portable image viewing apparatus as in claim 10, wherein the computer connecting port is an IEEE 1394 port.

Claim 13 (Original) The portable image viewing apparatus as in claim 1, further comprising a wireless data unit for communicating with a computer with another wireless data unit.

Claim 14 (Original) The portable image viewing apparatus as in claim 13, wherein the wireless data unit is a bluetooth unit.

Claim 15 (Original) The portable image viewing apparatus as in claim 1, further comprising a microprocessor for driving the micro display to display in image.

Claim 16 (Original) The portable image viewing apparatus as in claim 1, further comprising a DC power supply.

Claim 17 (Original) The portable image viewing apparatus as in claim 1, further comprising a microscope for viewing the micro display.